

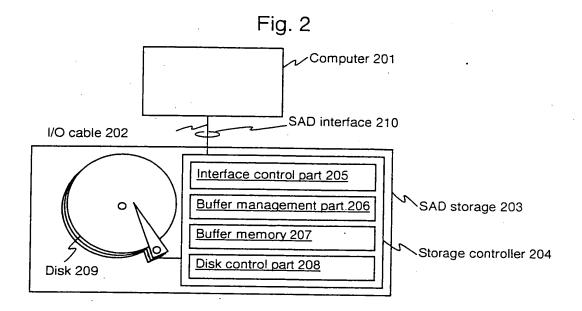
System 101

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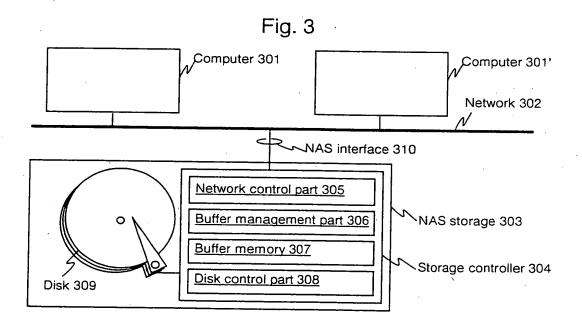
Protection module 116

Lock module117

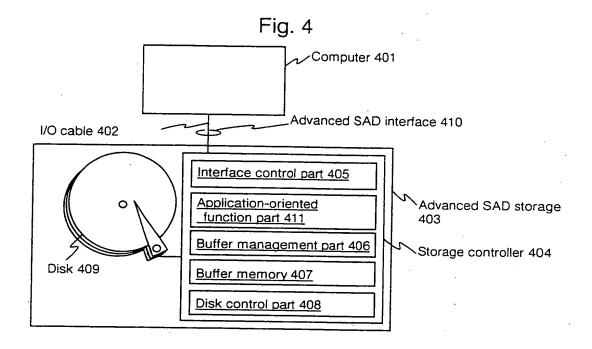
## **PRIOR ART**



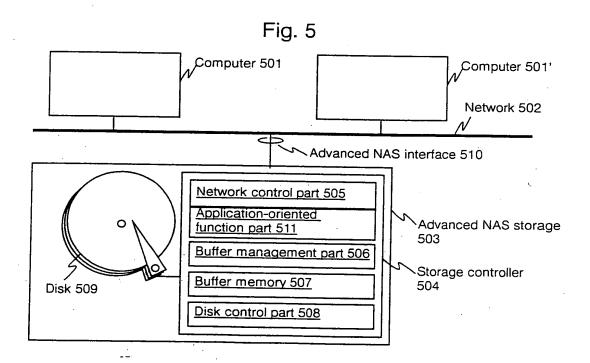
## **PRIOR ART**

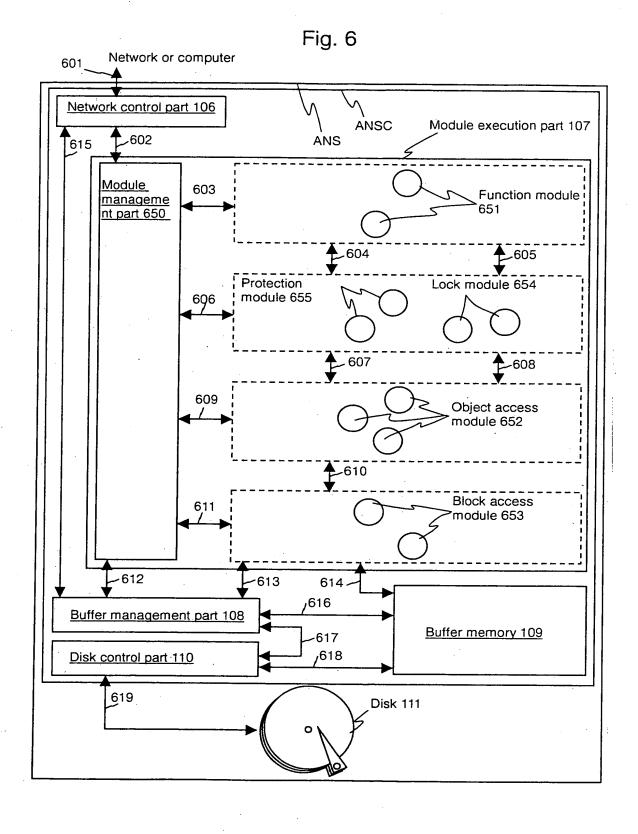


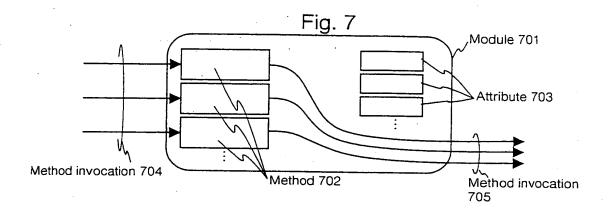
## **PRIOR ART**

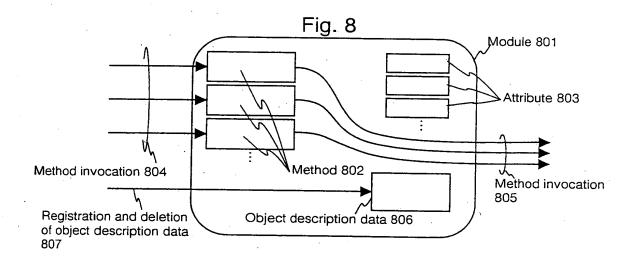


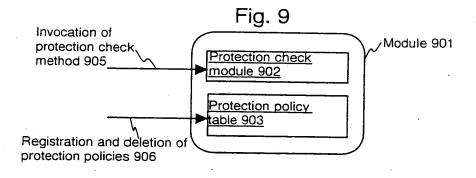
## **PRIOR ART**











Object description data (table form) 1001 Fig. 10

Tag 1002	<u>Type 1003</u>	Offset 1004	<u>Size 1005</u>	Count 1006	Block type 1007
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UFS_inode c	object 1101		Fig. 11		
Tag 1002	<u>Type 1003</u>	Offset 1004	Size 1005	<u>Count</u> 1006	Block type 1007
di_mode	short	0	2	1	null
di_nlink	short	2	2	1	null
di_uid	short	4	2	1	null
di_gid	short	6	2	1	null
di_size	long	8	4	1	nuil
di_addr1	BLOCK	12	3	10	UFS_data
di_addr2	BLOCK	42	3	1	UFS_indirect1
di_addr3	BLOCK	45	3	1	UFS_indirect2
di_addr4	BLOCK	48	3	1	UFS_indirect3
di_gen	byte	51	1	1	null
di_atime	long	52	4	1	null
di_mtime	long	56	4	1	null
di_ctime	long	60	4	1	null
UFS_data3 o	bject 1102 🔍				
Tag 1002	Type 1003	Offset 1004	Size 1005	Count 1006	Block type 1007
data	byte	0	1	4096	null
UFS indirect	13 object 1103\			<del></del>	1
Tag 1002	<u>Type 1003</u>	Offset 1004	<u>Size 1005</u>	Count 1006	Block type 1007
bid	BLOCK	0	4	1024	UFS_data
UFS_indirect2	23 object 1104	<u> </u>			
Tag 1002	<u>Type 1003</u>	Offset 1004	<u>Size 1005</u>	<u>Count</u> 1006	Block type 1007
bid	BLOCK	0	4	1024	UFS_indirect1
JFS_indirect3	3 object 1105 🔍			<u> </u>	
Tag 1002	Type 1003	Offset 1004	Size 1005	Count 1006	Block type 1007
bid	BLOCK	0	4	1024	LIFS indirect2

Fig. 12

Object description data (parser form) 1201 🔍

Tag 1202	Initialization code 1203			
Context 1204	Code1205			
L				

Fig. 13

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<u>Tag 1202</u>	Initialization code1203
Context 1204	Code 1205
customer()	{ record = 0; column = 0; }
(record())*	null
record()	{ int saved_offset = offset; }
<pre>record_size = <long> c_id() c_name() c_address()</long></pre>	<pre>{ record++; column = 0; foundObject("record", record_size, saved_off, record); }</pre>
c_id()	null
value = <long></long>	<pre>{ column++;  foundObject("c_id",  value, sizeof(long),  record, column); }</pre>
c_name()	null
<pre>value = <char>[40]</char></pre>	<pre>{ column++;   foundObject("c_name",   value, sizeof(char)*4,   record, column); }</pre>
c_address()	null
<pre>column_size = <long> value =      <char>[column_size]</char></long></pre>	<pre>{ column++;   foundObject("c_address",   value, sizeof(char)*4,   record, column); }</pre>

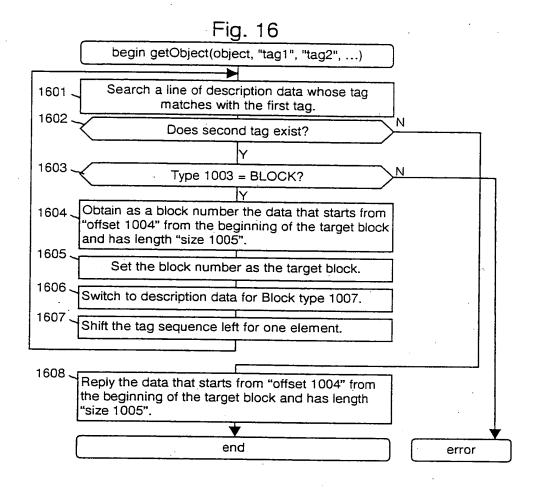
Fig. 14

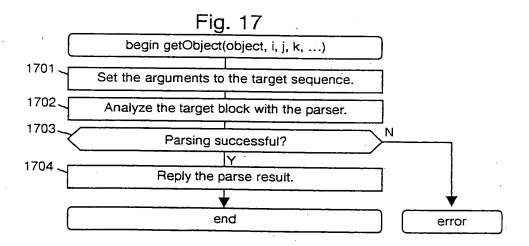
Object description data (pattern matching form) 1401 \

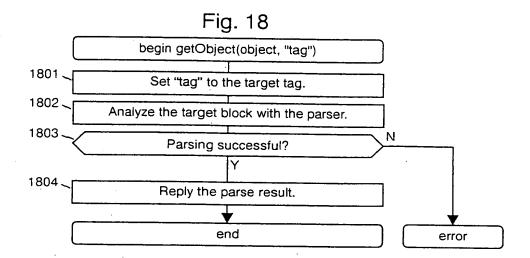
File format 1402	<u>Taq</u> 1403	Pattern 1404
shell_script	header1	"#!"
	header2	"/bin/sh"
UNIX_executable	header1	ZMAGIC II NMAGIC II OMAGIC

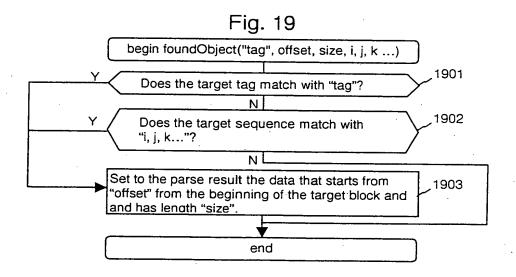
Fig. 15 olicy description data 1501 \

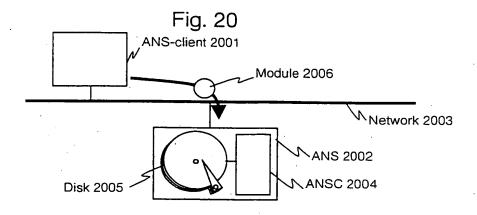
Sender 1502	Receiver 1503	Mathed 1504	1 411 15
Sender 1302	Heceiver 1303	Method 1504	Allow/Deny
			<u> 1505</u>
selectionModule	recordAccessModule	getObject("column")	Allow
selectionModule	blockAccessModule	getBlock()	Deny











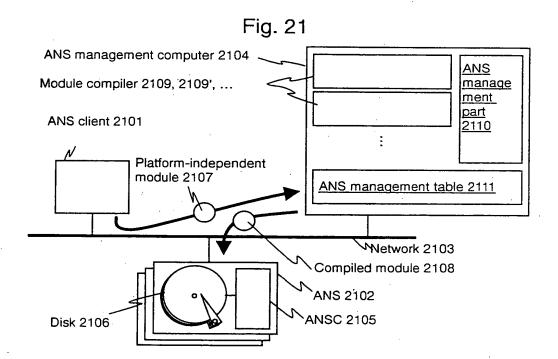


Fig. 22

ANS management table 2201

ANS name 2202	Network address 2203	Model 2204	Compiler 2205
disk1	123.123.11.1	A corp. type 342	compiler A
disk2	123.123.11.2	B corp. type F01	compiler B
		:	

Fig. 23

